INNOTECH

INNOTECH ENGINEERING DEVICES PRIVATE LIMITED

OEM MANUFACTURER OF TESTING MACHINES & LABORATORY EQUIPMENT

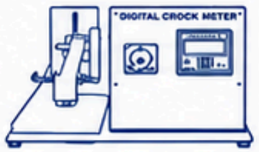
DIGITAL CROCK METER

Digital Rubbing Fastness Testing Machine

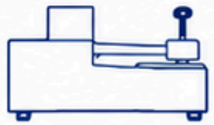
A laboratory testing instrument used to evaluate the colour fastness of textiles, fabrics and garments against dry and wet rubbing, by assessing colour transfer from the sample to a standard rubbing cloth.

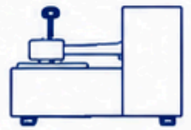


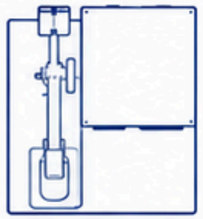
ENGINEERING VIEWS (Illustrative)

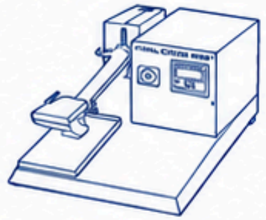


Front View


Left Side View


Right Side View


Top View


Isometric View

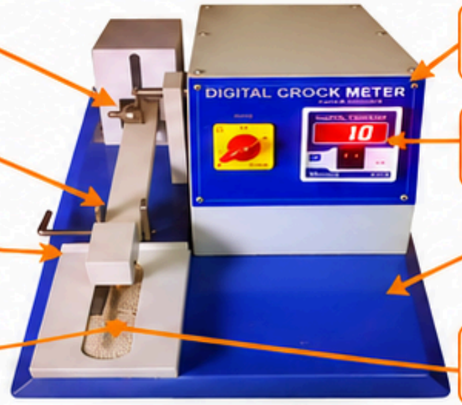
KEY FEATURES

- Digital cycle counter
- Motorised rubbing mechanism
- Controlled reciprocating movement
- Standard rubbing finger arrangement
- Specimen holding fixtures
- Dry and wet rubbing test applications
- Customisable technical configuration

KEY BENEFITS

- Evaluates textile colour fastness against rubbing.
- Helps identify unwanted colour transfer.
- Supports dry and wet rubbing assessments.
- Helps compare fabric colour performance.
- Supports textile quality inspection.
- Assists garment and fabric manufacturers in quality control.

COMPONENT IDENTIFICATION & FUNCTIONS



Motorised Drive Mechanism
Produces reciprocating rubbing movement.

Rubbing Finger
Applies rubbing action on the specimen.

Rubbing Cloth Holder
Secures the standard rubbing cloth.

Specimen Holding Platform
Position for mounting the textile specimen.

Digital Control Panel
Controls machine operation and test cycles.

Digital Preset Counter
Sets and monitors rubbing cycles.

Machine Frame
Rigid and stable structure for vibration-free operation.

Clamping Arrangement
Secures the textile specimen firmly.

WORKING PRINCIPLE (3 STEPS)


1. Secure the textile specimen on the testing platform and attach the standard rubbing cloth to the rubbing finger.


2. The machine performs repeated reciprocating rubbing movements under the selected test conditions (dry or wet).


3. Examine the rubbing cloth for colour transfer and evaluate staining using the appropriate grey scale.



Test with a dry rubbing cloth to assess colour transfer under dry conditions.



Test with a wet rubbing cloth to assess colour transfer under wet conditions.

TESTING APPLICATIONS


Cotton Fabrics


Polyester Fabrics


Denim & Jeans


Dyed & Printed Textiles


Garment Materials


Upholstery & Furnishing Fabrics


Textile Dyeing & Processing Units


Textile Testing Laboratories

TECHNICAL SPECIFICATIONS (Major)

Parameter	Specification
Rubbing Finger	Standard as per applicable test method
Applied Load	As per applicable test method
Testing Cycles	Digital Preset Counter (Customisable)
Drive Mechanism	Motorised, Reciprocating Type

» These specifications will be changed as per customer requirement.

TESTING STANDARDS

- ISO 105-X12
- AATCC TM8

Relevant test methods for determining colour fastness of textiles to rubbing (dry and wet).

MADE IN INDIA

CUSTOMISED TESTING MACHINES AS PER CUSTOMER REQUIREMENTS

Machine design, technical specifications, fixtures, control arrangements and configurations can be customised according to customer applications and laboratory requirements.

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CUSTOMISED MACHINE SOLUTIONS AVAILABLE | SUPPLY ACROSS INDIA